MATERIAL SAFETY DATA SHEET

FOR COATINGS, RESINS AND RELATED MATERIALS

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

DATE OF PREP 10-81

Section I

MANUFACTURER'S NAME BOSTIK WEST, DIV. OF USM CORPORATION, AN EMHART UNIT

STREET ADDRESS 20846 So. Normandie Ave. CITY, STATE, AND ZIP CODE Torrance, Ca. 90502

EMERGENCY TELEPHONE NO. (213) 320-6800

PRODUCT CLASS AMINE ABDUCT.

TRADE NAME BOSTIK

MANUFACTURERS CODE IDENTIFICATION CA-118

Catalyst for: 453-3-Series, 463-3-Series 463-3-8, 454-3-Series. Mix Ratio: 3 parts Base to 1 part CA-118 by volume.

Section II — HAZARDOUS INGREDIENTS

INGREDIENT CA-118 Epoxy Catalyst	CAS No.	PERCENT (Wt.)	TLV PPM	TLV mg/M³	LEL	VAPOR PRESSURE mm Hg.
Methyl ethyl ketone	78-93-3	25-30	200		1.8	70.0
Butyl alcohol	71-36-3	20-25	100		1.7	4.0
Butyl acetate	123-86-4	20-25	150		1.7	8.0
Butyl cellosolve	111-76-2	10-15	50		1.1	1.0
Toluene	108-88-3	<5.0	200		1.2	22.0
Diethylenetriamine(DETA)	111-40-0	Trace	1.0		1.4	<1.0

Section III — PHYSICAL DATA

BOILING RANGE 176-340° F.

VAPOR DENSITY [X] HEAVIER [ ] LIGHTER THAN AIR

EVAPORATION RATE [ ] FASTER [X] SLOWER THAN ETHER

PERCENT VOLATILE BY VOLUME 87%

WEIGHT PER GALLON 7.0 lbs.

Section IV — FIRE AND EXPLOSION HAZARD DATA

DOT CATEGORY Red Label, Flammable

FLASH POINT (Min) 23° F. Tag Closed Cup

LEL 1.1

EXTINGUISHING MEDIA

Exclude air - Use foam, CO_2, steam, water fog, dry chemicals. Do not use water.

UNUSUAL FIRE AND EXPLOSION HAZARDS

Vapor forms explosive mixture with air between upper and lower explosion limits.

SPECIAL FIRE FIGHTING PROCEDURES

Do not use water, exclude air, use water spray to cool fire exposed surfaces and to protect personnel.

Section V — HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE : See Section II

EFFECTS OF OVEREXPOSURE : Headache, nausea, dizziness. Breathing vapor will be irritating to nose, throat, and eyes.

Emergency and first aid procedures: Skin Exposure: Wash affected area with soap and water.

Eye Exposure: Flush with water for at least 15 minutes, consult physician.
Ingestion: Consult physician immediately.
Inhalation: Remove victim to fresh air., consult physician.

Section VI — REACTIVITY DATA

STABILITY ☐ UNSTABLE ☒ STABLE CONDITIONS TO AVOID: Storage at high temperatures.

Incompatability(Materials to avoid) : Strong oxidizing agents. Sparks & open flame

Hazardous Decomposition Products: On combustion CO, CO_2, Aldehydes and other organics, oxides of nitrogen.

HAZARDOUS POLYMERIZATION ☐ MAY OCCUR ☒ WILL NOT OCCUR

CONDITIONS TO AVOID

Section VII — SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Eliminate sources of ignition and clear fumes from area Prevent liquid from entering sewers, water sources, or low areas. Keep unnecessary personnel away Shut off source, if possible to do so without hazard. Contain spilled liquid with sawdust, sand or oil absorbing compound. Wash area with detergent & water.

WASTE DISPOSAL METHOD

Consult disposal expert and ensure conformity with local regulations.

Section VIII — SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION : Use approved respiratory protection such as an air-supplied mask if used in non-ventilated area.

Mechanical: Explosion-proof ventilation equipment. No smoking or open lights.

VENTILATION : Face velocity $>$ 60 fpm in confined area

Protective Gloves: Chemically resistant gloves.

EYE PROTECTION : Chemical splash goggles or face shield.

OTHER PROTECTIVE EQUIPMENT : Eye bath & Safety Shower.

Section IX — SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING : Keep containers closed when not in use. Do No handle or store near flame, heat or strong oxidants. Adequate ventilation required. Containers of this product may be hazardous when emptied - these containers retain product residues (vapor, liquid,etc

OTHER PRECAUTIONS

All handling equipment should be electrically grounded. Treat as a very flammable liquid.

Lee A. Dickinson
Technical Service Manager